

WHAT IS CLAIMED IS:

1. A clutch gear having a boss part with a spline which is formed on an outer peripheral surface of said boss part formed on an axial end surface of said clutch gear having jaw clutch teeth formed on an outer peripheral surface thereof,

characterized in that

said boss part, with said spline formed on outer peripheral surface thereof, is formed integrally and coaxially with said clutch gear having said jaw clutch teeth formed on said outer peripheral surface thereof by forging,

wherein

the diameter of said boss part is shorter than that of said clutch gear, and an end part of an effective portion of said spline comes to at least an end surface of said clutch gear.

2. A clutch gear having said boss part with said spline according to claim 1,

characterized in that

said end part of said effective portion of said spline is adjacent to said end surface of said clutch gear.

3. A clutch gear having said boss part with said spline according to claim 1,

characterized in that

a ring-like groove is formed on said end surface of said clutch gear,

a diameter of an inner wall of said ring-like groove is nearly equal with that of said boss part, and

a part of said effective portion of said spline inserts into said ring-like groove.

4. A clutch gear having said boss part with said spline according to Claim 3,

characterized in that

an inclined surface is formed on an outer wall of said ring-like groove in order to gradually decrease the width of said ring-like groove as coming to a bottom of said ring-like groove.

5. A method for manufacturing a clutch gear having a boss part with a spline which is formed on said outer peripheral surface of said boss part formed on said axial end surface of said clutch gear having jaw clutch teeth formed on said outer

peripheral surface thereof,

characterized in that

a work as said clutch gear has said boss part to be smaller than said clutch gear integrally and coaxially formed with said clutch gear, and an ring like groove having an inner peripheral wall, an diameter of said ring-like groove being equal to that of said outer peripheral wall of said boss part on axial end surface thereof, wherein

a spline is formed from said outer peripheral surface of said boss part to said inner peripheral surface of said ring like groove by pressing relatively said work to a die having a tooth form for forming said spline at a portion corresponding to said outer peripheral surface of said boss part.

6. A method for manufacturing a clutch gear having a boss part with a spline according to claim 5,

characterized in that

said inclined surface is formed on said outer wall of said ring-like groove in order to gradually decrease said width of said ring-like groove as coming to said bottom of said ring-like groove.

7. A clutch gear having said boss part with said spline

according to claim 4, wherein

one end of said spline is formed at said inner
peripheral surface of said ring-like groove.